

ABSTRACT OF THE DISCLOSURE

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An I/O node for a computer system including an integrated graphics engine and integrated I/O hub. An input/output node that is implemented on an integrated circuit chip includes
5 a transceiver unit, a graphics engine and an I/O hub. The transceiver unit may receive and transmit packets on a point-to-point link of a packet interface. The graphics engine may be coupled to receive graphics packets received by the transceiver unit and may render digital image information in response to receiving the graphics packets. The I/O hub may be coupled to receive I/O packets corresponding to packets received by the transceiver
10 unit and may initiate bus cycles corresponding to the I/O packets upon a peripheral bus. The packet interface link may be a point-to-point HyperTransport™ link including a first and second set of uni-directional wires which may convey control and data packets over the same wires.